

## AMENDMENTS TO THE CLAIMS

1-4. (Cancelled)

5. (Currently Amended) A communication system comprising a first apparatus and a second apparatus in which a plurality of frequency signals are communicated between said first apparatus and said second apparatus via a common cable,

    said first apparatus comprising:

        a multiplexing means for multiplexing a plurality of signals which are different in frequency from each other, and for transmitting at least one multiplexed signal to said second apparatus via the common cable; and

        a transmission-sided reference frequency signal level detecting means for detecting electric power of a reference signal among the plurality of signals before multiplexing by said multiplexing means; and

    said second apparatus comprising:

        a separating means for separating the reference signal from the at least one multiplexed signal which is received from said first apparatus; and

        a reception-sided reference frequency signal level detecting means for detecting electric power of the reference signal which is separated by said separating means,

    wherein said communication system further comprises comprising:

        a first signal level control means for controlling electric power of one or more signals other than the reference signal based on a comparison between a result detected by said transmission-sided reference frequency signal level detecting means and a result detected by said reception-sided reference frequency signal level detecting means;

a memory for storing correspondence relationships between information related to loss amounts of said common cable based on the comparison and correction values to control electric powers of one or more signals other than the reference signal, wherein the correction values depend on each frequency of the one or more signals; and

a second signal level control means for controlling electric powers of one or more signals other than the reference signal using the correction values stored in said memory based

on the comparison, a result detected by said reception-sided reference frequency signal level detecting means.

- 6. (Currently Amended)** The communication system of claim 5, wherein
- said memory stores lengths of said common cable as the information related to loss amounts of said common cable based on the comparison; and
- said second level control means judges a length of said common cable based on the comparison, and reads out the correction values stored in said memory based on the length.
- said transmission-sided reference frequency signal level detecting means detects an average value of electric power of the reference signal;
- said reception-sided reference signal level detecting means detects an averaged value of electric power of the reference signal;
- said second apparatus further comprises a level detected result transmitting means for transmitting the detected result by said reception-sided reference frequency signal level detecting means to said first apparatus;
- said first apparatus further comprises a level detected result receiving means for receiving the detected result which is transmitted by said level detected result transmitting means;
- said signal level control means is provided in said first apparatus;
- said signal level control means includes a reference signal level control means for controlling electric power of the reference signal based on the compared result, and also includes control modes storage means for storing a corresponding item between controlled results by said reference signal level control means and modes for controlling the electric power of one or more signals other than the reference signal; and
- said signal level control means controls the electric power based on the corresponding item stored in said control modes storage means.

- 7. (Previously Presented)** The communication system of claim 5, wherein
- said communication system corresponds to a wireless base station system;
- said first apparatus corresponds to an indoor unit;

said second apparatus corresponds to an outdoor unit;  
    said reference signal corresponds to a signal of a transmission system.

- 8. (Previously Presented)**    The communication system of claim 6, wherein:
- said communication system corresponds to a wireless base station system;
  - said first apparatus corresponds to an indoor unit;
  - said second apparatus corresponds to an outdoor unit; and
  - said reference signal corresponds to a signal of a transmission system.